[FOUNDED IN 1906 AS THE AMERICAN QUARTERLY OF ROENTGENOLOGY]

The AMERICAN JOURNAL OF ROENTGENOLOGY AND RADIUM THERAPY

Editor: LAWRENCE REYNOLDS, M.D.

VOLUME XXVI

JULY TO DECEMBER 1931

CHARLES C THOMAS : SPRINGFIELD, ILLINOIS
MCMXXXI

COPYRIGHT, 1931
BY AMERICAN ROENTGEN SOCIETY, INC.

Medical
Direct

CONTENTS OF VOLUME XXVI

ORIGINAL ARTICLES

The Structure of Intraoral Carcinoma in Relation to Radiosensitivity, Tissue Dosage and Adequate Therapy	*Fred W. Stewart, M.D.*	1
The Treatment of Oral Cancer	*Channing C. Simmons, M.D.*	5
Radium and Roentgen-Ray Treatment of Cancer of the Mouth	*Bernard P. Widmann, M.D.*	12
The Treatment of Metastatic Involvement of the Neck Secondary to Intraoral Cancer	*Orville N. Meland, M.D.*	20
The Treatment of Malignant Lesions of the Mouth by Contact Applications of Radium	*G. W. Grier, M.D.*	23
The Use of Gold Filtered Radon Implants in the Treatment of Intraoral Cancer	*Hayes E. Martin, M.D.* *George S. Sharp, M.D.*	28
The Roentgen Treatment of Chronic Leucemia	*Kenneth R. McAlpine, M.D., Ross Golden, M.D., Katharine S. Edsall, B.S.*	47
Extreme Dilatation of the Left Auricle	*David Steel, M.D.*	66
Roentgenologic Studies of the Mucous Membrane as an Aid in the Diagnosis of Peptic Ulcer	*I. W. Held, M.D.* *A. Allen Goldbloom, M.D.*	74
The Study of Gall-Bladder Contractions	*George Levene, M.D.*	87
Gallstone Obstruction of the Duodenum	*A. W. Crane, M.D.*	92
The Value of Roentgenography in the Diagnosis of Congenital Syphilis, Infants Considered	*Edward C. Vogt, M.D.*	96
The Grid Diaphragm Applied to the Stereographic Study of the Mastoids	*Hollis E. Potter, M.D.*	107
Action of Roentgen Rays and Radium on the Gastrointestinal Tract	*A. U. Desjardins*	145
The Recognition of Thoracic Calcification	*Garrett R. Miller, M.D.*	191
The Use of Opaque Oils in the Diagnosis of Maxillary Sinus Disease	*R. C. Beeler, M.D., L. A. Smith, M.D.* *J. N. Collins, M.D.*	202
The Nasal Sinuses: Roentgenographic and Clinical Observations	*Bundy Allen, M.D.*	214
Anomalies in Topography of the Alimentary Tract	*J. W. Larimore, A.B., M.D.*	223
Comparison of Intravenous and Oral Cholecystography	*S. J. Hawley, M.D.*	232
The Treatment of Melanotic Tumors of the Skin: Pigmented Moles and Malignant Melanomas	*William A. Evans, M.D.* *T. Leucutia, M.D.*	236
Idiopathic Hemorrhagic Sarcoma	*James N. Collins, M.D.*	260

A Case of Tuberculous Dacryocystitis Treated with Roentgen Rays	*K. Takemura, M.D.*	264
The Detection and Estimation of Radium in Living Persons. III. The Normal Elimination of Radium	*Herman Schlundt* *G. Failla*	265
Ultraviolet Measurement with the Cadmium Photo-electric Cell	*M. M. Schwarzschild*	272
An Accessory for Serial Roentgenography in Peptic Ulcer	*Hollis E. Potter, M.D.*	289
Action of Roentgen Rays and Radium on the Gastrointestinal Tract	*A. U. Desjardins*	335
The Postneumonic Lung	*Alan L. Hart, A.B. M.D., M.Sc. (Med.)*	371
Roentgenologic Aspects of Childhood Tuberculosis	*Benjamin Goldberg, M.D., F.A.C.P.*	397
Yeast Infection of the Lungs	*T. R. Healy, M.D.* *L. B. Morrison, M.D.*	408
Roentgenography in Brain Tumors: Its Value and Limitations without Ventriculography or Encephalography	*J. Gershon-Cohen, M.D., M.Sc. (Med.)*	414
Ollier's Disease, Unilateral Chondrodysplasia	*Ralph S. Bromer, M.D.* *Rutherford L. John, M.D.*	428
X-Ray Protection	*Lauriston S. Taylor*	436
Studies on the Temporomandibular Joint	*Dr. Walter Altschul*	452
Is Irritation a Cause of Cancer?	*Arthur W. Erskine, M.D.*	456
Further Observations on the Treatment of Superficial Malignancy	*G. W. Grier, M.D.*	461
Action of Roentgen Rays and Radium on the Gastrointestinal Tract	*A. U. Desjardins*	493
The Contribution of Roentgenology to Medicine and Surgery in the Last Twenty-five Years	*James T. Case, M.D.*	511
Progress in the Development of Roentgen-Ray Apparatus	*H. M. Imboden, M.D.*	517
The Relation of the American Journal of Roentgenology and Radium Therapy to the Development of Radiology	*Arthur C. Christie, M.D.*	523
The Contributions of a Quarter Century of Electron Physics to Roentgen-Ray Science	*George L. Clark*	528
The Historical Evolution of Roentgen-Ray Plates and Films	*Frederick C. Martin* *Arthur W. Fuchs*	540
Early American Roentgeniana	*Edward H. Skinner, M.D.*	549
A Review of Pneumoconiosis: Further Roentgenological and Pathological Studies	*H. K. Pancoast, M.D.* *E. P. Pendergrasss, M.D.*	556
A Fluorescent Chalk and an Illuminator for Roentgenograms for the Roentgenoscopic Dark Room	*John R. Carty, M.D.*	629

A Simple Apparatus for Purifying Radon	*G. H. Henderson, Ph.D., F.R.S.C.*	630
Action of Roentgen Rays and Radium on the Eye and Ear	*A. U. Desjardins*	639
Roentgenologic Study of Intrathoracic Lymphoblastoma	*B. R. Kirklin, M.D., Hans W. Hefke, M.D.*	681
Roentgenologic Studies in Early Lobar Pneumonia	*W. H. Ude, M.D.*	691
Peptic Ulcer of the Esophagus	*J. Richards Aurelius, M.D.*	696
Roentgen-Anatomic Studies of the Colon in Six Hundred Patients with Pulmonary Tuberculosis	*Homer L. Sampson, Béla Halpert, M.D.*	704
Cleidocranial Dysostosis	*R. N. Klemmer, M.D., Paul O. Snoke, M.D., H. K. Cooper, D.D.S.*	710
The Roentgen-Ray Treatment of Experimental Tuberculosis	*John W. Spies, M.D.*	716
How We Can Meet the Cancer Problem	*Henry J. Ullmann, M.D.*	726
The Clinical Evaluation of Various Qualities of Roentgen and Radium Rays for the Treatment of Advanced Cancer	*Bernard P. Widmann, M.D.*	729
Carcinoma of the Cervix: Technique of Treatment	*W. P. Healy, M.D., F.A.C.S.*	734
Radium as an Adjunct to Surgery in the Treatment of Carcinoma of the Fundus of the Uterus	*H. H. Bowing, M.D., R. E. Fricke, M.D.*	738
Radiation Therapy of Cancer of the Cervix at Bellevue Hospital	*Ira I. Kaplan, B.S., M.D.*	746
A Tumor-Inhibiting Substance in the Rous Chicken Sarcoma	*M. J. Sittenfield, M.D.*	750
A Pioneer Roentgenologist: Eugene Rollin Corson, M.D., Savannah, Georgia	*E. H. Skinner, M.D.*	759
Action of Roentgen Rays and Radium on the Eye and Ear	*A. U. Desjardins*	787
Roentgenology as a Specialty: Caldwell Lecture, 1931	*Prof. Dr. George Feodor Haenisch*	821
The Relation of Colitis to Polyposis of the Intestine	*J. Arnold Bargen, M.D.*	834
The Undescended Cecum	*Carleton B. Peirce, M.D.*	839
Multiple Manifestations of Subchondral Necrosis	*W. C. Martin, M.D., H. Roesler, M.D.*	861
An Unusual Manifestation of Epiphyseal and Joint Pathology in a New-Born Infant	*Milton J. Geyman, M.D.*	868
Methods of Measuring and Recording Roentgen-Ray Tube Currents and Voltages	*Charles Weyl, S. Reid Warren, Jr., F. M. McPhedran*	871

A Graphic Method of Recording the Respiratory Excursion of the Diaphragm	*Harold Thomas, M.D.*	878
Results of Treatment in 152 Cases of Carcinoma of the Skin	*Lester G. Ericksen, M.D.* *K. W. Strenstrom, Ph.D.*	881
Deep Roentgen-Ray Burns	*John Staige Davis, M.D.*	890
Congenital Atresia of the Esophagus	*Marcy L. Sussman, M.D.*	894
Absence of Half of the Diaphragm	*E. L. Jenkinson, M.D.*	899
An Effective Gall-bladder Stimulant to Supplant the Fat Meal	*Lester Levyn, M.D.*	904
Diagrammatic Chart Showing Time of Appearance of the Various Centers of Ossification and Period of Union	*John D. Camp, M.D.* *Earl I. L. Crilley, M.D.*	905
A Simple Technique for Intravenous Cholecystography	*Jacob H. Vastine, M.D.*	912
Action of Roentgen Rays and Radium on the Eye and Ear	*A. U. Desjardins*	919